



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 164801

TO: Celine Qian
Location: REM 2A64
Art Unit: 1636
Wednesday, September 07, 2005

2070

Case Serial Number: 09/913878

From: Edward Hart
Location: Biotech-Chem Library
REM-1A55
Phone: 571-272-2512

edward.hart@uspto.gov

Search Notes

Examiner Qian,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

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1277N: Ed Hart

Access DB# 164801

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Celine Qian Examiner # 78710 Date: 9/6/05
Art Unit: 1636 Phone Number 3020777 Serial Number: 09/913878
Mail Box and Bldg/Room Location: 2A 64 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Isolation & characterization of a n. crassa. silencing
Inventors (please provide full names): Giuseppe et al.

Earliest Priority Filing Date: 2/16/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search nt 2447-6652 bp. of SEQ ID NO:1.
(interference only)

STAFF USE ONLY

Type of Search		Vendors and cost where applicable
Searcher: _____	NA Sequence (#) <u>1</u>	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>9/6/05</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>9/7/05</u>	Litigation _____	Lexis/Nexis _____
Searcher Pre-Review Time: _____	Fulltext _____	Sequence Systems <u>21</u>
Chemical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time _____	Other _____	Other (specify) _____

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STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library, Remsen Bldg.



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OM nucleic - nucleic search, using sw model

Run on: September 6, 2005, 12:28:46 ; Search time 646 Seconds

(without alignments)
10653.529 Million cell updates/sec

Title: US-09-913-878A-1_COPY_2447_6652

Perfect score: 4206

Sequence: 1 atgagaccctactctctctag.....tcacagggaatggcattat 4206

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/PCTUS_COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	* Query Match	Length	DB ID	Description
1	51.6	1.2	1164	1	US-07-640-476-6 Sequence 6, Appl
2	49	1.2	3731	3	US-08-811-583-1 Sequence 1, Appl
3	44	1.0	1318	3	US-08-986-304-1 Sequence 1, Appl
4	41	1.0	1929	4	US-09-902-540-9129 Sequence 9129, Ap
5	41	1.0	10216	4	US-09-902-540-976 Sequence 976, App
6	40.8	1.0	4403765	3	US-09-103-840A-2 Sequence 2, Appl
7	40.8	1.0	4411529	3	US-09-103-840A-1 Sequence 1, Appl
8	40.2	1.0	803	4	US-09-270-767-12025 Sequence 12025, A
9	39.6	0.9	1209	4	US-09-107-532A-1706 Sequence 1706, Ap
10	39.6	0.9	1509	4	US-09-252-991A-12165 Sequence 12165, A
11	39.6	0.9	1692	4	US-09-252-991A-12425 Sequence 14, Appl
12	38.8	0.9	7218	1	US-08-232-463-14 Sequence 2923, Ap
13	38.6	0.9	3192	4	US-09-949-016-2923 Sequence 2922, Ap
14	38.6	0.9	3489	4	US-09-949-016-14664 Sequence 14664, A
15	38.6	0.9	36093	4	US-09-949-016-14665 Sequence 14665, A
16	38.6	0.9	36093	4	US-09-949-016-14665 Sequence 1182, Ap
17	38	0.9	17897	4	US-09-902-540-1182 Sequence 15639, A
18	37.2	0.9	505	4	US-09-621-976-15639 Sequence 5, Appl
19	36.8	0.9	1548	2	US-08-762-106-5 Sequence 5, Appl
20	36.8	0.9	1548	2	US-09-320-774-5 Sequence 6, Appl
21	36.8	0.9	1581	2	US-08-762-106-6 Sequence 6, Appl
22	36.8	0.9	1581	2	US-09-320-774-6 Sequence 13530, A
23	36.8	0.9	2182	4	US-09-270-767-13530 Sequence 909, Appl
24	36.6	0.9	1065	4	US-09-340-798A-31 Sequence 11434, A
25	36.6	0.9	1160	4	US-09-023-655-909 Sequence 11434, A
26	36.2	0.9	816	4	US-09-252-991A-11434 Sequence 4685, Ap
27	36.2	0.9	1332	4	US-09-252-991A-4685 Sequence 4685, Ap

28	36.2	0.9	1473	4	US-09-252-991A-4812 Sequence 4812, Ap
29	36.2	0.9	1524	4	US-09-252-991A-11455 Sequence 11455, A
30	36.2	0.9	1551	4	US-09-252-991A-4758 Sequence 4758, Ap
31	36.2	0.9	2028	4	US-09-252-991A-11416 Sequence 11416, A
32	35.4	0.8	1437	4	US-09-902-540-8578 Sequence 8578, Ap
33	35.4	0.8	1722	3	US-09-385-028-15 Sequence 15, Appl
34	35.4	0.8	1722	4	US-09-726-614-15 Sequence 15, Appl
35	35.4	0.8	1722	4	US-09-385-040-15 Sequence 15, Appl
36	35.4	0.8	9081	4	US-09-902-540-905 Sequence 905, Appl
37	35.4	0.8	11604	3	US-09-385-028-13 Sequence 13, Appl
38	35.4	0.8	11604	4	US-09-726-614-13 Sequence 13, Appl
39	35.4	0.8	11604	4	US-09-385-040-13 Sequence 13, Appl
40	35.4	0.8	15079	3	US-09-385-028-11 Sequence 1, Appl
41	35.4	0.8	15079	4	US-09-726-614-11 Sequence 1, Appl
42	35.4	0.8	15120	4	US-09-385-040-11 Sequence 1, Appl
43	35.2	0.8	1546	3	US-09-383-318A-1 Sequence 1, Appl
44	35.2	0.8	3711	4	US-09-902-540-7049 Sequence 7049, Ap
45	35.2	0.8	13624	4	US-09-902-540-1053 Sequence 1053, Ap

ALIGNMENTS

RESULT 1
US-07-640-476-6
Sequence 6, Application US/07640476
Patent No. 5376536
GENERAL INFORMATION:
APPLICANT: QUAX, WILHELMUS
APPLICANT: LUTTEN, RUDOLF G.M.
APPLICANT: SCHUBHUIZEN, PAUL W.
APPLICANT: MRABET, NADIR
TITLE OF INVENTION: NOVEL GLUCOSE ISOMERASE ENZYMES AND
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 545 Middlefield Road, Suite 200
CITY: Menlo Park
STATE: CA
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/640,476
FILING DATE: 19910110
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kate H. Murashige
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 24615-20009.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 327-7250
TELEFAX: (415) 327-2951
TELEX: 706141
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1164 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORGANISM: Streptomyces murinus
STRAIN: DSM 40091
FEATURE:

NAME/KEY: CDS
LOCATION: 1..1164
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /BC_number= 5.3.1.5
OTHER INFORMATION: /product= "xylose isomerase (glucose isomerase)"
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /standard_name= "D-xylose ketol isomerase"
US-07-640-476-6

Query Match 1.2%; Score 51.6; DB 1; Length 1164;
Best Local Similarity 47.8%; Pred. No. 2.5e-05;
Matches 150; Conservative 0; Mismatches 164; Indels 0; Gaps 0;

QY 31 AGCCCGTCGAGGAATATTAACCGGCTCATATACAGTACAACTGGGCTCCAGTGT 90
DB 16 ACCCCGAGAGACAGGTTCACTTCTGCTGTGACCTGTGGCGAGGAAGGACCCG 75
QY 91 GTGCGACAGACAACTCTGACCCGCCACCGCGGAGAGCTGGCCGAGATGAAGAT 150
DB 76 TTGCGGACGCGCACCGCCGCCCTGACCGGATGAGAGGAGGAGCGGCTGGCCGAG 135
QY 151 TTGGTGTCCATGACAAATCTACAGAGCCCTGAATCTTTCTACTGGCGGAAGATGAC 210
DB 136 CTGGGGGCTTACGAGTGAACCTTTCACAGACGACCTGATCCCTTGGGCTCTCCGAC 195
QY 211 TCCCTGACAGGAGAGGACCACTTCTTCATGAGGCGCAAGCTGCGAGCTGGAATGG 270
DB 196 ACCGAGGCGAGTGTGACATCAAGCGCTTCCGCGAGGCGCTGAGACGCCACCGCATGAGG 255
QY 271 GTGCCCAAGCCCAAGCGCGACCTGACAGCGCTTCCGTGATCAAGAACTCCCGCGCC 330
DB 256 GTGCCCAAGGCGCACCAACTCTTTCACACCGCGCTTCAAGAGCGGCGCTTACCC 315
QY 331 GCTACTGCGGCGCA 344
DB 316 GCCAAGACCGCGCA 329

RESULT 2

US-08-811-583-1
Sequence 1, Application US/08811583

Patient No. 6218142
GENERAL INFORMATION:
APPLICANT: Maseneger, Michael
APPLICANT: Riedel, Leonhard
APPLICANT: Schiebel, Winfried
APPLICANT: Sanger, Heinz
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
TITLE OF INVENTION: POLYPEPTIDES HAVING THE ENZYMACTIC ACTIVITY OF AN
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & NEAVE
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/811,583
FILING DATE: 05-MAR-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: MPG-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000

TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3731 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Tomato
FEATURE:
NAME/KEY: CDS
LOCATION: 194..3535
US-08-811-583-1

Query Match 1.2%; Score 49; DB 3; Length 3731;
Best Local Similarity 51.6%; Pred. No. 0.00041;
Matches 112; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 2850 TACACTCTATGAGCTGTGATGTCCTGTGGCGGATCCCGACCAATTCCTAGTGA 2909
DB 2425 TAATTTCAITTCGAAGGAAATGTGTTGTTCAAAATTCATCTTGATCTGGTGA 2484
QY 2910 TATCCACGGGTTGAGCAGTCTTCAAGCAGAGCTCCACATCTCAAGATGTAATCAT 2969
DB 2485 TATTCGTGTTTAAAGGCTGTAAATGTTTCAAGCGCTGCACCATGTAGATGTGTGT 2544
QY 2970 CTCTCTACTAAGAGATGATACCGCTTCTTAAGAGCTATGTGTGAGATGACAGAGG 3029
DB 2545 ATTCCTCTGAGAAAGAAAGAAAGACCTCATCCGATGAATGTCTTGAGATGATTGGATGG 2604
QY 3030 CGATATGGCGCTGGTCTGTGGATCCGAGATGCTC 3066
DB 2605 GGATATCTACTTGTGTTGCTGGATCAAGACATGATC 2641

RESULT 3

US-08-986-304-1
Sequence 1, Application US/08986304A

Patient No. 6184343
GENERAL INFORMATION:
APPLICANT: Stamatoymanolou, George
APPLICANT: Papayannopoulou, Thalia
APPLICANT: Yang, Yi
TITLE OF INVENTION: FETAL GLOBIN INDUCING FACTOR
FILE REFERENCE: 64657.0102
CURRENT APPLICATION NUMBER: US/08/986,304A
CURRENT FILING DATE: 1997-12-05
EARLIER APPLICATION NUMBER: 60/033,247
EARLIER FILING DATE: 1996-12-06
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
LENGTH: 1318
TYPE: DNA
ORGANISM: Homo sapiens
US-08-986-304-1

Query Match 1.0%; Score 44; DB 3; Length 1318;
Best Local Similarity 51.0%; Pred. No. 0.0078;
Matches 104; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 2506 AATCGCCGAGTGAAATTCGCCAATGGGTTTACGAGTTATTCAGTGGCGCACTGGA 2565
DB 592 AATACAGAGTGCGCTTCTTTCTTACTGACGATGATGATATATGCCAACAATA 651
QY 2566 GTACAGCAGCGCGCTGTGCTTTCTTCTGCGCTTACCTGACAGTCAAGAGAGCACTG 2625
DB 652 GGCCTCTTGACCCCTTGATCTTCTGTGGAACAGAGACAGCAAGATACCTTAGA 711
QY 2626 AACTCTTGATGAACAGTGGGTTGATCCCAAGAAAGAAAGTACTTCCAGACATGCC 2685
DB 712 CTCTCTGATGAACCGTTACGTCAACACAGGCTGAAACCAACTTGAAGAACTGCA 771

Oy	2686	TGGGATCTTCAAAAGCGGAATGT	2709
Db	772	TTTGATATTGCCAGGACCAAGT	795

RESULT 4
US-09-902-540-9129

```

? Sequence 9129, Application US/09902540
? Patent No. 6833447
?
? GENERAL INFORMATION:
?
? APPLICANT: Goldman, Barry S.
? APPLICANT: Hinkle, Gregory J.
? APPLICANT: Slater, Steven C.
? APPLICANT: Wiegand, Roger C.
?
? TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
?
? FILE REFERENCE: 38-10(1584)B
?
? CURRENT APPLICATION NUMBER: US/09/902,540
?
? CURRENT FILING DATE: 2001-07-10
?
? PRIOR APPLICATION NUMBER: 60/217,883
?
? PRIOR FILING DATE: 2000-07-10
?
? NUMBER OF SEQ ID NOS: 16825
?
? SEQ ID NO 9129
?
? LENGTH: 1929
?
? TYPE: DNA
?
? ORGANISM: Myxococcus xanthus
?
? IS-09-902-540-9129

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Query Match	1.0%	Score 41;	DB 4;	Length 1929;
Best Local Similarly	47.2%;	Pred. No. 0.097;		
Matches 125; Conservative	0;	Mismatches 140;	Indels 0;	Gaps 0

QY	ACAAGAACTGGAAGCCTTCCACATGTGCATGGAAAAGCGGCCAAGATTCAGAAGAAGCGCG	3587
Db	692 AGAAGCAACTGGCGGAGTACTTGACGGCCATCGAGAGTCCGAAGAAGCGCACCAACGCGCA	751
QY	CTCATCTTTGGGAATCCGAGATCTCGCTTCTTAATAACAAGTTCTTTCAGAGAGATTAGCGACA	3648
Db	752 AGCTGGCGAAGGAAGTGGACCTGCTTCCACTTCCACCCTGACTTCGCGGGGCTCCGCTTCT	811
QY	AGTGGCGATGTCGGCACTGCTATTTCACGACTTCGAAAGAACCGTATTCGGCGCAAGTCCAGA	3706
Db	812 GGACCCCGAAGGGACCAACGCTCTTACACACACGCTGTCCAACTGGATGTCGACGCTGACGC	871
QY	AAGATATATGGCAGGTGGTCTCAAAAAACAAGATAGAGACAGCAAGGACCCCTTACCTTG	3766
Db	872 AGAACGAACGGCTAGCTGAGATCAAAGAGCCCCCTGATTTCTCAACAAGGGGCTGTGTGAGAA	931
QY	TCCCGCTCACCAAGTTTATGAAA	3791
Db	932 CCACGGGCACTGGGGGCMAAGTACA	956

RESULT 5
US-09-902-540-976/c

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Sequence 976, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
FILE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
TITLE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 976
LENGTH: 10216
TYPE: DNA
ORGANISM: Myxococcus xanthus

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US-09-902-540-976

Query Match      1.0%; Score 41; DB 4; Length 10216;
Best Local Similarity 47.2%; Pred. No. 0.34;
Matches 125; Conservative 0; Mismatches 140; Indels 0; Gaps 0
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Qy	3527	ACAAAGAACTGGAAAGCCTTCCACAAATCCCAATGAAAGCGGCAAGGATACAGAAAGACGGCG	3586
Db	2066	AGAAAGCACTGGCGGAGTACCTTGACGCGCAATCGAGAGTGGAAAGACGCGACCAACGCA	2077
Qy	3587	CTCATTCTTTGGGATCCCGGATCTCGCTTCTCTACTACAAGTTCTTTCMAAGAGATTAGCAACA	3646
Db	2006	AGCTGGGCAAGAGAGCTGGACTCTCTCCACTTCCACCCGTACTCGCCGGGCTCCGCTTTCT	1947
Qy	3647	AGTGGCATGTGTCCGCATCTGCTATTTCACGACTCTGAAGAACCGTATTCGGCGAACTCCAGA	3706
Db	1946	GGAGCCCGGAAGGGGACACACCTCTTACACACGCGCTGTGAACCTGGATCGTCAAGTCAAGC	1887
Qy	3707	AAGAAATATGCAAGTTGGTCAAAAAACAAGAGATGAGAGACAGCAAGAACCCCTTACCCTG	3766
Db	1886	AGAAAGACGGCTACGTGGAGATCAAGACGCCCTGATGTTTCAACAAAGGGGCTGTGGAGA	1827
Qy	3767	TCCGCTGCAACCAAGCTTTATGAAA	3791
Db	1826	CCAGCGGCTCACTGGGGCAAGTACAA	1802

RESULT 6

```

US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

```

Query Match	1.0%	Score 40.8;	DB 3;	Length 4403765;
Best Local Similarity	49.5%;	Pred. NO. 37;		
Matches 105; Conservative	0;	Mismatches 107;	Indels 0;	Gaps 0;

Qy	3952	CCCAATTCGTGTGGCAATATGGCGGGGACAGACGTCGCTACATTAAAGGCGAGATGACG	4011
Db	426833	CCCGAATTGTGTGCGCCCAATGCCCACTCGTGCTGTGCGCGATAGCGCGAAGCCG	426892
Qy	4012	AGCAGACCCGGTGAAGAGCGCCCGGCGTTGATGTGACCGGGTTTCATGTATGCGGGCTTGATG	4071
Db	426893	CCGGTCCCATTTTGCACATGCGACGTTGCGCGGTGCCCGAGTTGAACAAAGCCGGTCTTG	426952
Qy	4072	CCGGAATAGAAATTATACAGACATATGTGGCCAGGCTGAGAGGCGATGATCGACTAC	4131
Db	426953	CCGGTCCGGAATTGACAAACGCGGTTGTGCGGTGCCGAGTTGAAGAAACCGGTCTTG	427012
Qy	4132	CTGTATCCGAGAGCTTATGAAGTGTGGGCGA	4163
Db	427013	CCGGCGCCCGAATTCCAGAGAGCTAAGCCGA	427044

```

RESULT 7
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37rv
US-09-103-840A-1

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	Query Match	Similarity	1.0%;	Score 40.8;	DB 3;	Length 4411529;
	Best Local	Similarity	49.5%;	Pred. No. 37;		
	Matches	105;	Conservative	0;	Mismatches 107;	Indels 0;
					Gaps	0;
Qy	3952	CCCAAGTTCGTGTGCAGATGCGGGCAGACAGCTCGCATCTTAATTAAGCGCGAGATGACG	4011			
Db	42675	CCCGAGTTGTGTCCGCGCCAGTCCACCTGAGCTGTCCCGGATATGCGCGACGCCGAAGCCG	426724			
Qy	4012	AGCAACCCCGGTGAAGGCGCCCGCGGTGATGATACCGCGCTTATGTATCGGGCTTGATG	4071			
Db	426735	CCGGTGCCCATTTGTGCCGATGCGCGAGCTTGCCTGTCGCCGAGTTGAACAAGCCGCGTGTG	426794			
Qy	4072	CCGAGTAAGAAAGTTTACGAAGCAGTATGTGTGCGCAGGCTGAGGGCCAGATGATCGAGTAC	4131			
Db	426795	CCGGTGCAGGAGTTGAACAAGCCGCGTGTGGCGGTGCCGAGTTGAAGAAACCGCGTGTG	426854			
Qy	4132	CCTGATCCGGAAGGTCTATTAAGTGTCTGGGCGA	4153			
Db	426855	CCGGCGCCGAGTTCAAGGAGCTGAAGCCGGA	426886			

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RESULT 8
US-09-270-767-12025/c
; Sequence 12025, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12025
; LENGTH: 803
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-12025

```

	Query Match	1.0%	Score 40.2	DB 4	Length 803
	Best Local Similarity	70.1%	Pred. No. 0.091		
	Matches	54	Conservative	0	Mismatches 23
					Indels 0
					Gaps 0
Oy	4109	TGAGAGGGGATGAGATCGGAGTACCTCGATCCGAGGCTGTATGAATGCTGGGCCATGATG			4168
Db	96	TGGAGAGCCATGTCGTCCGCTGGCCCATGATGGGAGAGTCATGTCGTGTGTCGCCCATGATG			37
Oy	4169	ATTTTGATGATTTGTT			4185

Db 36 ATGGTGGTGGT 20

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1      RESULT 9
2      US-09-107-532A-1706
3      / Sequence 1706, Application US/09107532A
4      / Patent No. 6583275
5      / GENERAL INFORMATION:
6      / APPLICANT: Lynn A Doucette-Stamm and David Bush
7      / TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
8      / ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
9      / NUMBER OF SEQUENCES: 7310
10     / CORRESPONDENCE ADDRESS: 7310
11     / ADDRESSEE: GENOME THERAPEUTICS CORPORATION
12     / STREET: 100 Beaver Street
13     / CITY: Waltham
14     / STATE: Massachusetts
15     / COUNTRY: USA
16     / ZIP: 02354
17     / COMPUTER READABLE FORM:
18     / MEDIUM TYPE: CD-ROM ISO9660
19     / COMPUTER: PC
20     / OPERATING SYSTEM: <Unknown>
21     / SOFTWARE: ASCII
22     / CURRENT APPLICATION DATA:
23     / APPLICATION NUMBER: US/09/107,532A
24     / FILING DATE: 30-Jun-1998
25     / PRIOR APPLICATION DATA:
26     / APPLICATION NUMBER: 60/085,598
27     / FILING DATE: 14 May 1998
28     / APPLICATION NUMBER: 60/051571
29     / FILING DATE: July 2, 1997
30     / ATTORNEY/AGENT INFORMATION:
31     / NAME: Arinello, Pamela Deneke
32     / REGISTRATION NUMBER: 40,489
33     / REFERENCE/DOCKET NUMBER: GTC-012
34     / TELECOMMUNICATION INFORMATION:
35     / TELEPHONE: (781)893-5007
36     / TELEFAX: (781)893-8277
37     / INFORMATION FOR SEQ ID NO: 1706:
38     / SEQUENCE CHARACTERISTICS:
39     / LENGTH: 1209 base pairs
40     / TYPE: nucleic acid
41     / STRANDEDNESS: double
42     / TOPOLOGY: circular
43     / MOLECULE TYPE: DNA (genomic)
44     / HYPOTHETICAL: NO
45     / ANTI-SENSE: NO
46     / ORIGINAL SOURCE:
47     / ORGANISM: Enterococcus faecium
48     / FEATURE:
49     / NAME/KEY: misc feature
50     / LOCATION: (B) LOCATION 1..1209
51     / SEQUENCE DESCRIPTION: SEQ ID NO: 1706:
52     / US-09-107-532A-1706

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	Query Match	0.9%	Pred. 39.6	DB 4	Length 1209
	Best Local Similarity	49.1%	Fred. No. 0.19		
	Matches 105	Conservative	0	Mismatches 109	Indels 0
QY	2504	TGAATCGCCACGTGAATTTGCGCAATGGGTTTACGAGATTATTCACGCGCACTC	2563		
Db	386	TGATTGATCTTTGTGGAAATTTGCCCGGTAGATGTTAGATCGGTACCCACATGAATTATCTG	445		
QY	2564	GAGTCAGCCACGCGCGTGTGCTTTTCTTGCTGGGCTACCTGAACGTCAAGAGAGAC	2622		
Db	446	GTGCTCAGCAGCAGCATTTGAGTTCGTTCTGCGCTTGCAGCGAATCAATATCATCT	505		
QY	2624	TGAACCTTCTTGATGAACAGTGGGTTTCATCCCAAGAAACAAAGTACTTGGAAACATCG	2683		
Db	506	TGAATGACAGAACCATTTGGTGCGCTGTATTCCAATCATCTGTGATTCCTTGGAAAGCTTGG	565		
QY	2684	CCTGGGATCTTCAAAAGCGGAAATGTGACAGTT	2717		

Db 566 TCAAGATTACAGAGCGTTTGGGAAAAACGAT 599

RESULT 10
US-09-252-991A-12165
; Sequence 12165, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 12165
; LENGTH: 1509
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12165

Query Match 0.9%; Score 39.6; DB 4; Length 1509;
Best Local Similarity 45.3%; Pred. No. 0.23;
Matches 144; Conservative 0; Mismatches 174; Indels 0; Gaps 0;

QY 3638 TTAGCGACAAGTCGCGATGTCGCGCACTGCTATTCAAGACTGGAAGACCGTATCGGCG 3697
Db 482 TCACCCGCGAAGAGTCCGACCGAGGCGCTGCTGCTGCGGACATCTCCGCGCG 541
QY 3698 AAGTCGAGAAAGATATGACAGGTTGCTCAAAAACAAGAGATGAGACAGCAAGGACC 3757
Db 542 ATGTGCGAGTTCGCTGGATGCGATGGAATGACAGGTGCTGATGAGGCGGAGGCGTGC 601
QY 3758 CCTACCTGTCCGCGTCAACAGCTTTATGAAAAATGTCGCCATCAGCCCTGAGGCGCA 3817
Db 602 CCACCTACTTCTCCGCGCAAGTGGTGCACGACCACTGATGGGCATCACCCAGTCTGCG 661
QY 3818 TGACAAATCCGAGCAATATGATCTTAAGGTGATCAGGTTGCTGAGCTGTCTCC 3877
Db 662 GCGCGCGAAGTGTGCTGCGCTGCGCGCCCAAGCTGATCAAGCTTATTCGCGCT 721
QY 3878 TCGCGGACCGTGAATGATATGAGGCAATGCGCATGCGGCTGAGGCGCTTCAAGCTGT 3937
Db 722 GGGAGGACCGGAGCTGTGCTAATGCACTGCTGGCGCAACCGGACAAAGCAAGCTGT 781
QY 3938 ACTACCAAGAGCCCA 3955
Db 782 CCAAGCGCAGAAATCCGA 799

RESULT 11
US-09-252-991A-12425/c
; Sequence 12425, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 12425
; LENGTH: 1692

; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12425

Query Match 0.9%; Score 39.6; DB 4; Length 1692;
Best Local Similarity 45.3%; Pred. No. 0.25;
Matches 144; Conservative 0; Mismatches 174; Indels 0; Gaps 0;

QY 3638 TTAGCGACAAGTCGCGATGTCGCGCACTGCTATTCAAGACTGGAAGACCGTATCGGCG 3697
Db 1124 TCACCCGCGAAGAGTCCGACCGAGGCGCTGCTGCTGCGGACATCTCCGCGCG 1065
QY 3698 AAGTCGAGAAAGATATGACAGGTTGCTCAAAAACAAGAGATGAGACAGCAAGGACC 3757
Db 1064 AATGCGAGTTCGCTGGATTCGATGACATGAGTGTGATGAGGCGGACGCGCTGC 1005
QY 3758 CCTACCTGTCCGCGTCAACAGCTTTATGAAAAATGTCGCCATCAGCCCTGAGGCGCA 3817
Db 1004 CCACCTACTTCTCCGCGCAAGTGGTGAAGACCACTGATGGGCATCACCGTCTGC 945
QY 3818 TGACAAATCCGAGCAATATGATCTTAAGGTGATCAGTTGCTGAGCTGTCTCC 3877
Db 944 GCGCGCAAGAGTGGCTGCGCGCGCCCAAGCTGATCAAGCTTACGATATTTCGCGCT 885
QY 3878 TCGCGGACCGTGAATGATATGAGGCAATGCGCATGCGGCTGAGGCGCTTCAAGCTGT 3937
Db 884 GGGAGGACCGGAGCTGTGCTAATGCACTGCTGCGCAACCGGACAAAGCAAGCTGT 825
QY 3938 ACTACCAAGAGCCCA 3955
Db 824 CCAAGCGCAGAAATCCGA 807

RESULT 12
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHRIPLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-9300
; TELEFAX: (703) 683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:

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: SEQUENCE CHARACTERISTICS:
:     LENGTH: 7218 base pairs
:     TYPE: nucleic acid
:     STRANDEDNESS: single
:     TOPOLOGY: linear
:     IMMEDIATE SOURCE:
:         CLONE: pTgpc-F18
:
US-08-232-463-14

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Query Match	0.9%	Score 38.8;	DB 1;	Length 7218;
Best Local Similarly	4.1%;	Pred. NO. 1.4;		
Matches 16;	Conservative 208;	Mismatches 170;	Indels 0;	Gaps 0;

[illegible]

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RESULT 13
; US-09-949-016-2923
; Sequence 2923, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2923
; LENGTH: 3192
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-2923

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Query Match	0.9%;	Score 38.6;	DB 4;	Length 3192;
Best Local Similarity	52.9%;	Pred. No. 0.85;		
Matches 83;	Conservative 0;	Mismatches 74;	Indels 0;	Gaps 0;

QY 24 GAGGAATAGCCCCGTCGAGGAATCATMAACGGGCTCATTAACGACTTCAACCTGGGCTT 83

Db	137	GATGGAGCAGCTATTCAGGTGATCGAGTGGCAGCAGACATACACTTCAGATCGGGTAT	186
Qy	84	CCAGTGTGTGCGAGACACAACTTCACCCCACCGCCGAGAGAGCTGGCCGAGAGTGA	143
Db	197	CCACTGGGGCGCCAACCTTGCGTCCCTCCGTGAGCAGCAGAGGGACATCATGGAGGAGGA	256
Qy	144	CGAGGATTTCCGTGCGCATGACAAAGATCTACAGAGCC	180
Db	257	TGAGGCGCTCGGGCGCCAGTACACCCCTCAAGAAAAACC	293

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RESULT 14
US-09-949-016-2922
; Sequence 2922, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949.016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2922
; LENGTH: 3469
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2922

```

Query Match	0.9%	Score 38.6	DB 4	Length 3489
Best Local Similarity	52.9%	Pred. No. 0.9		
Matches	83	Conservative	0	Mismatches 74
				Indels 0
				Gaps 0
Qy	24	GAGGAATTAACCCCGTGAAGAAATCTAATAACCGGCTCAATTAAGACATACACCTGGGCC	83	
Db	137	GATGGAGCAGCCTATGAGGTGATCGAAGTGGCAGGAGACATACACCTTACGACTTCGGGTAT	196	
Qy	84	CCAGTGTGTGCGAGACACAACTTCACCCCCACCGCGGAAGAGCGTGGCCGAGAGTGA	143	
Db	197	CCACTGGGGGGCCAAACCTGCTGCTCCCTCGGTGAGGAGCAAGGGCATATGAGGAGGA	256	
Qy	144	CGAGGATTTTCGTCGTCATGACAGATTTACAGAGCC	180	
Db	257	TGAGGCTCTCGGGCCGACGTACACCTCAAGAAAACC	293	

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RESULT 15
US-09-949-016-14664
; Sequence 14664, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14664

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LENGTH: 36093
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(36093)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14664

Query Match 0.9%; Score 38.6; DB 4; Length 36093;
Best Local Similarity 52.9%; Pred. No. 5.3;
Matches 83; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 24 GAGGAATAGCCCGTCGAGGAAATCATTAACCGGCTCATTAAGACTTACAACCTGGGCT 83
DB 16851 GATGAGACAGCTTATCAAGTGAAGTGAGCAGACATACACTTACGACTGGGTAT 16910
QY 84 CCAAGTGTGTGCGACAGACAACTCTCACCCGCCACCGGAGAGAGCTGGCCGAGAGTGA 143
DB 16911 CCACTCGGGGGCCCAACACTGCGGCCCTCGTCAGCAGCAGGGGCAATCATGGAGAGGA 16970
QY 144 CGAGGATTTGGTGGCCATGACAGAATCTACAGGCC 180
DB 16971 TGAGGCTTGGGGGCCAGTACAGCTCAAGAAAACC 17007

Search completed: September 6, 2005, 20:40:05
Job time : 667 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 6, 2005, 16:40:35 ; Search time 2488 Seconds

(without alignments)
11071.031 Million cell updates/sec

Title: US-09-913-878A-1_COPY_2447_6652

Perfect score: 4206

Sequence: 1 atgaacccttctctctag.....tcacagggaatggcagatat 4206

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 733684 seqs, 327445616 residues

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA:*

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3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

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6: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*

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23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq:*

24: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq:*

25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*

26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	49	1.2	3731	9	US-09-782-874-1
2	47	1.1	1164	15	US-10-156-761-1
3	47	1.1	9025608	15	US-10-156-761-1
4	45.6	1.1	495	10	US-09-918-995-3407
5	44.8	1.1	1049	14	US-10-123-155-358
6	44.8	1.1	1049	15	US-10-146-731-358
7	44.8	1.1	1049	15	US-10-140-472-358

C 8	44.8	1.1	1049	15	US-10-141-761-358	Sequence 358, App
C 9	44.8	1.1	1049	16	US-10-142-885-358	Sequence 358, App
C 10	44.8	1.1	1049	16	US-10-158-720-358	Sequence 358, App
C 11	44.8	1.1	1049	17	US-10-137-871-358	Sequence 358, App
C 12	44.8	1.1	1049	17	US-10-140-923-358	Sequence 358, App
C 13	44.8	1.1	1049	17	US-10-141-756-358	Sequence 358, App
C 14	44.8	1.1	1049	17	US-10-141-759-358	Sequence 358, App
C 15	44.8	1.1	1049	17	US-10-140-805-358	Sequence 358, App
C 16	44.8	1.1	1049	17	US-10-140-864-358	Sequence 358, App
C 17	44.8	1.1	1049	18	US-10-142-426-358	Sequence 358, App
C 18	44.2	1.1	152165	20	US-10-719-993-6942	Sequence 6942, App
C 19	44.2	1.1	152165	21	US-10-741-600-17864	Sequence 17864, App
C 20	44.2	1.1	1980090	20	US-10-719-993-6815	Sequence 6815, App
C 21	44.2	1.1	1980090	21	US-10-741-600-17676	Sequence 17676, App
C 22	44	1.0	282	9	US-09-294-093B-1147	Sequence 1147, App
C 23	44	1.0	1540	9	US-09-925-299-62	Sequence 62, App1
C 24	44	1.0	1540	10	US-09-925-299-62	Sequence 903, App1
C 25	44	1.0	1555	15	US-10-106-698-903	Sequence 113012, App
C 26	44	1.0	1525	20	US-10-425-115-113012	Sequence 24716, App
C 27	44	1.0	1959	20	US-10-357-930-24716	Sequence 1222, App
C 28	44	1.0	94330	13	US-10-087-132-1222	Sequence 5115, App
C 29	43.8	1.0	1338	15	US-10-156-761-5115	Sequence 20636, App
C 30	43.4	1.0	3719	19	US-10-437-963-33098	Sequence 33098, App
C 31	42.6	1.0	1398	19	US-10-437-963-33098	Sequence 20619, App
C 32	42.4	1.0	506	16	US-10-029-386-20619	Sequence 23441, App
C 33	42.4	1.0	582	19	US-10-767-701-23441	Sequence 2179, App
C 34	42.4	1.0	1168	15	US-10-017-161-2179	Sequence 1825, App
C 35	42.4	1.0	1168	17	US-10-292-798-1825	Sequence 9233, App
C 36	41.8	1.0	1062	19	US-10-767-701-9233	Sequence 7803, App
C 37	41.2	1.0	1485	9	US-09-815-242-7803	Sequence 30269, App
C 38	41.2	1.0	1485	17	US-10-282-122A-30269	Sequence 545, App
C 39	41.2	1.0	1535	13	US-10-052-586-545	Sequence 545, App
C 40	41.2	1.0	1535	14	US-10-176-530-545	Sequence 545, App
C 41	41.2	1.0	1535	14	US-10-176-758-545	Sequence 545, App
C 42	41.2	1.0	1535	14	US-10-175-737-545	Sequence 545, App
C 43	41.2	1.0	1535	14	US-10-174-581-545	Sequence 545, App
C 44	41.2	1.0	1535	14	US-10-176-483-545	Sequence 545, App
C 45	41.2	1.0	1535	14	US-10-176-749-545	Sequence 545, App

ALIGNMENTS

RESULT 1

US-09-782-874-1

; Sequence 1, Appli

; Patent No. US20010023067A1

GENERAL INFORMATION:

APPLICANT: Maassenegger, Michael

Riedel, Leonard

Sanger, Heinz

Schleidel, Winfried

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING POLYPEPTIDES HAVING THE ENZYMATIC ACTIVITY OF AN RNA-DIRECTED RNA POLYMERASE (RDRP)

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSER: FISH & NEAVE

STREET: 1251 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10020

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/782,874

FILING DATE: 08-Feb-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/811,583
FILING DATE: 05-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3731 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE: Tomato
ORGANISM: Tomato
FEATURE:
NAME/KEY: CDS
LOCATION: 194..3535
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-782-874-1

Query Match 1.2%; Score 49; DB 9; Length 3731;
Best Local Similarity 51.6%; Pred. No. 0.00041;
Matches 112; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 2850 TACACTCTTATGCGACTGTATGTCTCTGCGCGCATCCCGACCCATTTCCTAGTGA 2909
DB 2425 TAATTCATCTTGAAGGAAATGTGTTGGCAAAAATCCATGCTTGCACTCGTGA 2484
QY 2910 TATCCAAAGGGGTTGAGCACTCTTCAAGCAGAGCTCCACAGCTCAAGATATATCAT 2969
DB 2485 TATTCGCTTTTAAAGCTTAATGTTCAGAGCGCTGCACACATGTAATTGTGTGT 2544
QY 2970 CTCTCTACTTAAAGAGATGTACCGCTTGCTTAAAGACTATCTGTGAGACATACGACG 3029
DB 2545 ATTCCCTCAGAAAGAAAAGACCTCATCCGAATGATGTTCTGGAGTGAATTGATGAG 2604
QY 3030 CGATTGCGCTGGGTCTGCTGGGATCCGGAGATCGTC 3066
DB 2605 GGATATCTACTTGTGTTGCTGGGATCAAGACATGATC 2641

RESULT 2

US-10-156-761-7161
Sequence 7161, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 7161
LENGTH: 1164
TYPE: DNA
ORGANISM: Streptomyces avermitilis
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1164)

US-10-156-761-7161

Query Match 1.1%; Score 47; DB 15; Length 1164;
Best Local Similarity 46.9%; Pred. No. 0.00097;
Matches 146; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

QY 31 ACCCCGTCGAGGAATCATTAACGGGCTCAATAACGACTACACCTGGGCTCCAGTGT 90
DB 16 ACCCCGAGGACAGGTTCACCTTCGGCTGTGAGACCTGTGGTGGCAGGAAAGGACCCG 75
QY 91 GTGCGACACAACTCTTCAACCCCGACCGCGGAAAGAGCTGGCCGAGAGTACAGAGAT 150
DB 76 TTGGCGACGCGACCCGGGCGCCCTTGACCCGCTGAGACGCTGACAGGCTCCCGCGG 135
QY 151 TTGGTCCGATGACAAAGATCTACAGAGCCCTTCTACTGTGGCGGAAGATGAC 210
DB 136 CTGGGTCCCGACGAGTACCTTCCACGACGACGACCTGATCCCTTGCGGTCTCGAGC 195
QY 211 TCCCTGAACGACGACGAGCAACTTCTTCAATGAGCCAAAGCTGCGAGTCAAGTGG 270
DB 196 ACCGAGCGGAGTCCGACATCAAGGCTTCCGCGAGGCTTCGACGCCATGGCC 255
QY 271 GTGCCAAAGCCGACGCGGACCTTGACAGCTTCCTGCTGCAAGAACTTCCCGCGC 330
DB 256 GTGCGATGCGCACACCACTTTCACGACACCCGCTTCAAGAGACGGGGCTTCACC 315
QY 331 GCTACTGCGCG 341
DB 316 GCCAACGACCG 326

RESULT 3

US-10-156-761-1
Sequence 1, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 1
LENGTH: 9025608
TYPE: DNA
ORGANISM: Streptomyces avermitilis
FEATURE:
NAME/KEY: misc feature
LOCATION: (4187715)
OTHER INFORMATION: a, t, c, g, other or unknown
US-10-156-761-1

Query Match 1.1%; Score 47; DB 15; Length 9025608;
Best Local Similarity 46.9%; Pred. No. 0.117; Indels 0; Gaps 0;
Matches 146; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

QY 31 ACCCCGTCGAGGAATCATTAACGGGCTCAATAACGACTACACCTGGGCTCCAGTGT 90
DB 8551009 ACCCCGAGGACAGGTTACCTTGGCTGTGAGACCTGTGGTGGCAGGAAGGACCCG 8551068
QY 91 GTGCGACACAACTCTTCAACCCCGACCGCGGAAAGAGCTGGCCGAGAGTACGAGAT 150
DB 8551069 TTGGCGACGCGACCCGGCGCGCTTGACCGGCTGAGACGCTGACAGCTCCGCGGG 8551128


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QY 151 TTGGTGGCCATGACAGATCTACAGAGCCCTGAACTTTCTTACTGCGGGAAGATGAC 210
| | | | |
DB 8551129 CTGGTGCCCAAGAGTGTACCTTTCACAGACGACCTGATCCCTTCGGCTCTCGGAC 8551188
QY 211 TTCCCTGAACGAGGAGAGCCAACTTCTTCATCGAGGCCAAAGCTGGAGCTGAACTGG 270
| | | | |
DB 8551189 ACCGAGGCGGAGTGTGACATCAACAGCGCTTCGAGAGGCCCTTCAGACGCCACCGGATGGCC 8551248
QY 271 GTGCCCCAAGCCCAAGCCGACCTTGACACGCTTCCTGTGTCGAAGAACTCCCGCGGCC 330
| | | | |
DB 8551249 GTGCGCGATGGCCCAACCAACCTCTTCACGACCCCGTCTTCAAGAGAGCGGGGCTTCACC 8551308
QY 331 GCTACTGCGCGG 341
| | | | |
DB 8551309 GCCAAGCAGCCG 8551319

RESULT 4
US-09-918-995-3407
; Sequence 3407, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918, 995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235, 076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3407
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(495)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3407

Query Match 1.1%; Score 45.6; DB 10; Length 495;
Best Local Similarity 51.5%; Pred. No. 0.0017;
Matches 105; Conservative 0; Mismatches 99; Indels 0; Gaps 0;

QY 2506 AATCGCCCAATGGAATTTGSCCAATGGGTTTACGAGGTTATTCAGTGGCGCACTCGA 2565
| | | | |
DB 287 AATACCAAGATGCTCTTCTTCTTACGACATGATGACATATCAATGCCCAACAAA 346
QY 2566 GTACGCCACGCGCGTGTGCTTTCTTCTGCTGAGCTTACAGTCAAGAGAGACACTG 2625
| | | | |
DB 347 GGCCTCTTGAACCCCTTGACCTTGTGCTGGGAAAAAGACAGCAAGATACCTTAGAA 406
QY 2626 AACTTCTTGAAGAGTGGTTCGATCCCAAGAGAAAGTACTTTCGAGACATCGCC 2685
| | | | |
DB 407 CTCCTCTGTATGAAACGTTTACGTTAAACGAGGCTGAAAAACAACTTGAAGAACTGCA 466
QY 2686 TGGGATCTTCAAAAGCGAAATGT 2709
| | | | |
DB 467 TTTGATATTGCCAGAGACAGT 490

RESULT 5
US-10-123-155-358/c
; Sequence 358, Application US/10123155
; Publication No. US20030068794A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyere, Luc
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; APPLICANT: Pilvaroff, Ellen
; APPLICANT: Gao, Mei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Auecin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C30
; CURRENT APPLICATION NUMBER: US/10/123,155
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See Palm or File wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-155-358

Query Match 1.1%; Score 44.8; DB 14; Length 1049;
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TTCCCTGAACGAGGAGAACCAACTTCTTCATCGAGGCCCAAGAGCTGGAGCTGAACTGG 270
| | | | |
DB 1006 YMT...MSM...M.....BHEM,HK.Y.DS.R.T.M.N.AMTWMAKB.BAAMS... 947
QY 271 GTGCCCCAAGCCCAAGCCGACCTTGACAGCTTCGCTGTCGAAGAACTCCCGCGCC 330
| | | | |
DB 946 S.S.N.B.C.WHY...G.N.DM.Y.H.MTB.T.BM.ABT.HMAHKB.TTHGGT 887
QY 331 GCTACTGCGGCGCAACATGGGCAATGAGACTGTGTCTCGAGGTGCTTAATAGTTT 390
| | | | |
DB 886 S..Y.RCM.MTWG.DR.RWBHW.R.DSTAKKB...SBS.S.S...NA.H.GAR.H.S 827
QY 391 ATGCCACCTCCCAATACACACAGTGAAGTGTGGCAACTTAAGTGAAGGCCCAACT 450
| | | | |
DB 826 .SS.CMDTC.CGABHAT.R..AB.ADNBWWB.WBTHGAG..YND...KM.NN.BN... 767
QY 451 GGCCTGAGCGGCCCAACTCTTACCAACCAAGCAAGATGAGCGCCCAATGCACT 510
| | | | |
DB 766 SAM..K.MNSS.H.RY...TH...RMA.SY.NNM..NM--SYSGNS.Y.BAA..N 709
QY 511 TTGCTGATCGGCCCAACGCTGTTGACTGCTGTGCCACAGTCTTCTTATTCAGCGC 570
| | | | |
DB 708 DS.H.A..NM.G..MMWS..SM.CNMT..S.NM.N..KCH.BCS...S.SNMS.H...M.. 649
QY 571 GCGGCGATACCCCTTAAGTTCGCCGATCGAGTATACCGGTTCCAAAGACATCTGC 630
| | | | |
DB 648 NM....RYNHC.YW.BH.DNCT...AY.S.S.KAIVASSS.HNHKK.M..BM.NMA..N. 589
QY 631 GAGAGTGAATCTCATATGATGACACGAGCGGCCAAGGCAAGCTGTCTGATATGTT 690
| | | | |
DB 588 KDA.C.S..RDSNS.H.B.MD...THSD..H.YNNS.H.RY..T....SCN.A.S. 529
QY 691 GCCGCTGCGCGCGCGCGCGCGCTGTATTTGAGAGCGCTTTGAGACAGTACGACTGA 750
| | | | |
DB 528 .NCS.N.GW..S.D..HSSMB...SNMS.H.A.CMRGS.NBSK.ST.NMM.YGSYTRWH 469
QY 751 AGGCAATGCAATACAGAGATCCCAAGCGGAGAGATGATAGCAGCGGACCAAGTGTAT 810
| | | | |
DB 468 RY.RD...B...RS.BSAYTNSG.CB..SSHCS.S.MNBS.H.BM.YM..M.KS.NT..M. 409
QY 811 TCCCTTGAATCATCTCAAGGCACTTCATATGAGTTCGAGGTGCTTCAAGCGCTGCGCTGAC 870
| | | | |
DB 408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTYRB...N. 349
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QY 871 AATCAGAGCACTACCGAGTAGTTTGGAGCTCTCTTCACAGCCCGGAGGAAGCGG 930
DB 348 S.H...S...D..MTHC..MT..N.S.H...MN.NM.WY..BD..SNSD.Y.BM..A. 289
QY 931 CCTGTGATGCCAGCGTCTTTGAGGCTGACACTTGATTTGCTCTTGAAGGAAGA 990
DB 288 TH.TNB.....SNNMG.TG...TNRGY.GNCS.H.....N.NN.HH...MT.KNNR.R... 229
QY 991 ACAACCAAGTCCCACTAGATAAC 1014
DB 228 A.AS..BA.BTABNNHM.S.BM.M 205

RESULT 6

US-10-146-731-358/c
; Sequence 358, Application US/10146731
; Publication No. US20030129692A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C323
; CURRENT APPLICATION NUMBER: US/10/146,731
; CURRENT FILING DATE: 2002-05-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-146-731-358

Query Match 1.1%; Score 44.8; DB 15; Length 1049;

Best local Similarity 5.2%; Pred. No. 0.0049;

Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCTGAACGAGGAGGCACTTTTCATGAGGCCAAGCTGCGAGCTGAAGCTGG 270
DB 1006 YMY...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTRHAB.BAMS... 947
QY 271 GTGCCCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 330
DB 946 S.S.N..B..C..WHY...G.N.DM.Y.H..MTB..T.BW.ABT..HMAHNB..THNGH. 887
QY 331 GCTACTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 390
DB 886 S..Y.RCM.MTMG.DR.RMBHM.R.DSTAKBK...SBS.S.S...NA.H.GAR.H.S. 827
QY 391 ATGCCACCTCCCAATACACACACAGCTGGAACGTTTGCGAGAACTTAAGCGCCCAAGT 450
DB 826 .BS.CMDTC.CBGBABAT.R..AB.ADNBWB.WBTHGAG..YNDP...KM.NN.BN... 767
QY 451 GGCGTGAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 510
DB 766 SAM..K..MNS.H.RX...TH...RMA.SY..NM..NM--SYGNS.Y..BAA..N 709

QY 511 TTGCGTATCCGCGCAAGCGCTGTGAGTCTGCTGCGACAGAGCTCTTATTCAGCGC 570
DB 708 DS.H.A..NM.G..MMMS.SM.CNNMT.S.NM..N..KCH.BCS...S.SNMS.H...M.. 649
QY 571 GCGGAGATACCCCTAAAGTTCCCGATCCAGTAATACCGTTCCAAAAGACCATCTCTC 630
DB 648 NM...RYVHC.YW.BH.DNCY...AY.S.S.KAYSASS..HNHKK.M..BM.NMA.N. 589
QY 631 GAGAGTGAATCTCAATCATGTGACACAAAGCGGCGGCGGCGGCGGCGGCGGCGG 690
DB 588 KA.C.S..RDSNS.H.B..MD...TASD..H.YNNS.H..RY..T.....SCN.A.S. 529
QY 691 GCCGTCGCGCGCGCGCGCGCGCTTATTTGAGAGCGCTTTGACAAAGTACCGACTGCA 750
DB 528 .NCS.N.GM..S.D..HSMB...SNMS.H.A.CMRGS.NBSK..ST.MNM.YGSTRNH 469
QY 751 AGCATGCCAATACAGAGATCCACGGCGGACAGGTCAATGACGAGCGGACAGGTGAT 810
DB 468 RX.RD...B...RS.BSAVTNSG.CB.SHCS.S.MNBS.H.BM.YM..M.KS.NT.M. 409
QY 811 TCCTTTGATACATCTCAAGGACCTTCATGTTGAGTGTTCAGGCTTGCCTGCTAC 870
DB 408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTYR...N. 349
QY 871 AATCAGAGCACTACCGAGTAGTTTGGAGCTCTCTTCACAGCCCGAGAGAAGCGG 930
DB 348 S.H...S...D..MTHC..MT..N.S.H...MN.NM.WY..BD..SNSD.Y.BM..A. 289
QY 931 CCTGTGATGCCAGCGTCTTTGAGGCTGACACTTGATTTGCTCTTGAAGGAAGA 990
DB 288 TH.TNB.....SNNMG.TG...TNRGY.GNCS.H.....N.NN.HH...MT.KNNR.R... 229
QY 991 ACAACCAAGTCCCACTAGATAAC 1014
DB 228 A.AS..BA.BTABNNHM.S.BM.M 205

RESULT 7

US-10-140-472-358/c
; Sequence 358, Application US/10140472
; Publication No. US2003013888A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C168
; CURRENT APPLICATION NUMBER: US/10/140,472
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-472-358

Query Match 1.1%; Score 44.8; DB 15; Length 1049;

```
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCTGAACGAGGCAAGGCAACTTTCATGAGGCCCAAGCTCGAGCTGCAACTGG 270
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1006 YMY...MSM...M.....BHBH.HK.Y.DS.R.T.M.N.AMTBMHAKB.BAMMS... 947

QY 271 GTGGCCCAAGGCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 330
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 946 S.S.N..B..C..WHY..G.N.DM.Y.H..MTB..T.BW.ABT.HMAHMB..THRGH. 887

QY 331 GCTACTGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 390
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 886 S..Y..RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S...NA.H..GAR.H.S 827

QY 391 ATGCCACCTCCCATATACACACAGGCTGCAAGCTTTGGCAAGAACTTAAGCGCCCA 450
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 826 .BS.CMDTC.CBGAHAT.R..AB.ADNBMWB.WBTHGAG..YND..KM.NN..BN... 767

QY 451 GCGCTGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 510
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 766 SAM..K..MNS.S.H..RY...TH...RMA..SY..NNM...NM--SYGNS.Y..BAA..N 709

QY 511 TTGCTGATCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 570
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 708 DS.H.A..NM.G..MMMS..SM.CNMT.S.NM.N..KCH.BCS...S.SMS.H...M... 649

QY 571 GCGGCGATACCCCTTAAGTTCCCGGATCGAGTGAATACGGGTTCGAAGCAAGCATCT 630
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 648 NM...RYNHC.YW.BH.DNCY...AY.S.S.KAYSASS.HNHK.M..BM.NMA..N... 589

QY 631 GAGAGTGAATCTCAATGAGTGCACCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 690
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 588 KDA.C.S..RDSNS.H..B..MD...TASD..H.YNNS.H..RY..T....SCN.A.S. 529

QY 691 GCGGCTGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 750
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRKS.NBSK..ST.MNM.YGSTRMH 469

QY 751 AGGATGCGCAATACGAGAGATCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 810
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 468 RY.RD...B...RS.BSAYTNSG.CB.SSHCS.S.MNBS.H.BM.YM..M.KS..NT..M. 409

QY 811 TCCTTTGATATCTCAATGAGTGCACCAAGCTTCTTATGATGATGATGATGATGAT 870
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 408 .NAC.H.B..N..ND..S.N..SM..M.BRCY.Y..M.SM..SS..T.S..NKSTYRB...N. 349

QY 871 AATCAGAGCACTACGAGAGTAGTTTGAAGCTCTCTTCAAGCGGCGGCGGCGGCGG 930
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 348 S.H...S...D..MTHC..MT..N.S.H...MN.NM.WY..BD..SNSD.Y.BM..A. 289

QY 931 CCTGTGATGACGAGCTCTTTTGAAGCTGACACTTGATGATGATGATGATGATGAT 990
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 288 TH.TNB...SNNMG.TG...TNRGY.GNCS.H.....N.NN.HH...MT.KNNR..R... 229

QY 991 ACAACCACTCCCATATATAAC 1014
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 228 A.AS..BA.BTANNMH.S.BM.M 205

RESULT 8
US-10-141-761-358/c
; Sequence 358, Application US/10141761
; Publication No. US20030148432A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Bilen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
```

```
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C198
CURRENT APPLICATION NUMBER: US/10/141,761
PRIORITY FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 358
LENGTH: 1049
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-761-358

Query Match
Best Local Similarity 1.1%; Score 44.8; DB 15; Length 1049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCTGAACGAGGCAAGGCAACTTTCATGAGGCCCAAGCTCGAGCTGCAACTGG 270
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1006 YMY...MSM...M.....BHBH.HK.Y.DS.R.T.M.N.AMTBMHAKB.BAMMS... 947

QY 271 GTGGCCCAAGGCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 330
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 946 S.S.N..B..C..WHY..G.N.DM.Y.H..MTB..T.BW.ABT.HMAHMB..THRGH. 887

QY 331 GCTACTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 390
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 886 S..Y..RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S...NA.H..GAR.H.S 827

QY 391 ATGCCACCTCCCATATACACACAGGCTGCAAGCTTTGGCAAGAACTTAAGCGCCCA 450
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 826 .BS.CMDTC.CBGAHAT.R..AB.ADNBMWB.WBTHGAG..YND...KM.NN..BN... 767

QY 451 GCGGCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 510
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 766 SAM..K..MNS.S.H..RY...TH...RMA..SY..NNM...NM--SYGNS.Y..BAA..N 709

QY 511 TTGCTGATCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 570
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 708 DS.H.A..NM.G..MMMS..SM.CNMT.S.NM.N..KCH.BCS...S.SMS.H...M... 649

QY 571 GCGGCGATACCCCTTAAGTTCCCGGATCGAGTGAATACGGGTTCGAAGCAAGCATCT 630
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 648 NM...RYNHC.YW.BH.DNCY...AY.S.S.KAYSASS.HNHK.M..BM.NMA..N... 589

QY 631 GAGAGTGAATCTCAATGAGTGCACCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 690
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 588 KDA.C.S..RDSNS.H..B..MD...TASD..H.YNNS.H..RY..T....SCN.A.S. 529

QY 691 GCGGCTGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 750
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRKS.NBSK..ST.MNM.YGSTRMH 469

QY 751 AGGATGCGCAATACGAGAGATCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 810
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 468 RY.RD...B...RS.BSAYTNSG.CB.SSHCS.S.MNBS.H.BM.YM..M.KS..NT..M. 409

QY 811 TCCTTTGATATCTCAATGAGTGCACCAAGCTTCTTATGATGATGATGATGATGAT 870
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 408 .NAC.H.B..N..ND..S.N..SM..M.BRCY.Y..M.SM..SS..T.S..NKSTYRB...N. 349

QY 871 AATCAGAGCACTACGAGAGTAGTTTGAAGCTCTCTTCAAGCGGCGGCGGCGGCGG 930
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 348 S.H...S...D..MTHC..MT..N.S.H...MN.NM.WY..BD..SNSD.Y.BM..A. 289
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QY 931 CCTGTGATGCCACGCTTTTGAGCTGAGACCTTGATGCTCTAGCAAGAAGA 990
DB 288 TH.TNB....SNNMG.TG...TNRGY.GNCS.H.....N.NN.HH..MT.KNNR.R... 229
QY 991 ACAACCAAGTCCCATAGATPAC 1014
DB 228 A.AS..BA.BTANNHM.S.BM.M 205

RESULT 9
US-10-142-885-358/c
; Sequence 358, Application US/10142885
; Publication No. US20030157604A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C248
; CURRENT APPLICATION NUMBER: US/10/142,885
; PRIOR FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-885-358

Query Match 1.1%; Score 44.8; DB 16; Length 1049;
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCCTGAACCCAGGAGAACCACTTCTTCATCGAGGCGCAAGCTGCGAACTGG 270
DB 1006 VNY...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTRMAKB.BAMMS... 947
QY 271 GTGCCCAAGCCGACGCCGACCTTGACGCTTCCGTGTCGAAGAACCTCCCGCGC 330
DB 946 S..S.N..B..C..WHY...G.N.DM.Y.H..MTB..T.BM.ABT.HMAHRB..THRGH. 887
QY 331 GCTACTGCGGCGCAACATGGGATTTGACAGCTGTCTCTGAGAGTGTTAATAGTT 390
DB 886 S..Y.RCM.MTMG.DR.RWBHW.R.DSTAKKHK...SBS.S.S...NA.H..GAR.H.S 827
QY 391 ATGCGACCTCCCAATACACACACGAGCTGCAAGCTTTGCGAGAAGCTTAAGCGGCAAGT 450
DB 826 .BS.CMDT.C.BGABHAT.R.AB.ADNBWB.WBTHGAG..YND..KM.NN.BN... 767
QY 451 GGCCTGAGCGCGCCCAACCTCTACCAACACCAAGAGAGTAGAGCGCCCAATGCTACT 510
DB 766 SAM..K..NNSS.H.RY...TH...RMA.SY..NNM...NM--SYSNS.Y..BAA..N 709
QY 511 TTGCGTGAATCGCGCAAGAGCTGCTGACTCGCTCGCAAGAGTCTCTTATTCAGCGC 570
DB 708 DS.H.A..NM.G..MMMS.SM.CNMT.S.NM.N..KCH.BCS...S.SNMS.H....M.. 649
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QY 571 GCGGCAATACCCCTAAAGTCCCGCATCGAGTACAGATACCGGTCCCAAGACCATCTCTC 630
DB 648 NM...RNNHC.YW.BH.DNCT...AY.S.S.KAYSASSS.HNNHK.M..BM.NMA.N. 589
QY 631 GAGAGTGAATCTCAATCACTGACACCAAGCGGCGCAAGGCGCAAGCTGTGTGATATGTT 690
DB 588 KDA.C.S..RDSNS.H.B..MD...TASD..H.YNNS.H.RY..T.....SCN.A.S. 529
QY 691 GCGGCTGCGCGCGCGCGCGCGCGCTGCTTATTTGAGAGCGCTTTGACAAGTACCGACTCGA 750
DB 528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRGS.NBSK.ST.NM.YGSYTRMH 469
QY 751 AGGCATGCCAATACAGAGATCCACGCGCAGAGTCTAAGACGACGCGACCGAGCTGAT 810
DB 468 RX.RD....B...RS.BSAYTNSG.CB.SHS.S.MNBS.H.BM.YM..M.KS.NT.M. 409
QY 811 TCCTTTGATPACATCTCAAGGACCTTCTATGCTTCAAGTGTCTTCAAGCGCTTCCGCTAC 870
DB 408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTYRB....N. 349
QY 871 AATCAGACCATACCCAGAGTATGTTTGAGGCTCCTCTTACAGCCGACGAGAGAGCGG 930
DB 348 S.H...S...D..MTHC..MT..N.S.H...NM.NM.WY..BD..SNSD.Y.BM..A. 289
QY 931 CCTGTGATGCCACGCTTTTGAGCTGAGACCTTGATGAGTCTCTTACAGCCGACGAGAGA 990
DB 288 TH.TNB....SNNMG.TG...TNRGY.GNCS.H.....N.NN.HH..MT.KNNR.R... 229
QY 991 ACAACCAAGTCCCATAGATPAC 1014
DB 228 A.AS..BA.BTANNHM.S.BM.M 205
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RESULT 10
US-10-158-790-358/c
; Sequence 358, Application US/10158790
; Publication No. US20030180879A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C448
; CURRENT APPLICATION NUMBER: US/10/158,790
; PRIOR FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-158-790-358

Query Match 1.1%; Score 44.8; DB 16; Length 1049;
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCCTGAACCCAGGAGAACCACTTCTTCATCGAGGCGCAAGCTGCGAACTGG 270
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Db      1006 YMY...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTRHAB.BAMMS...947
QY      271 GTGCCCAAGCCGACCGGACCTTGACAGCTTCGTGTCGACGAACTCCCGCGCC 330
Db      946 S.S.N..B..C..WHY...G.N.DM.Y.H..MTB..T.BW.ABT.HMAHAB..THRGH..887
QY      331 GCTACTGCGGCGCAACATGGGCACTTGCAAGCTGTGTGCTGAGGCTTAATAGTTT 390
Db      886 S..Y.RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S...NA.H..GAR.H.S 827
QY      391 ATGCCACTTCCCAATAACACACAGGACAGCTTTGGCAAGTCTTAAGCGGCCCAAGT 450
Db      826 .BS.CMDTC.CBGAHAT.R..AB.ADNBWB.WBTHAG..YND..KM.NN.BN...767
QY      451 GGCCTGAGCGGCGCAACCTTACCAACGCAAGGAGTAGAGCGGCCCAATGTCTACT 510
Db      766 SAM..K..MNS.H.RY...TH...RMA.SY..NNM...NM--..SYSGNS.Y..BAA..N 709
QY      511 TTGCGTATCGGCGCAAGCGCTGTGACTGCTGCTGCGCAAGTCTCTTATTCAGGC 570
Db      708 DS.H.A..NM.G..MMMS..SM.CNMT.S.NM.N..KCH.BCS...S.SNMS.H...M..649
QY      571 GCGGCGATACCCCTAAAGTTCCCGGACGATACGATACGCGTTCCAAAGCATCTCTC 630
Db      648 NM...RYNHC.YM.BH.DNCT...AY.S.S.KAYSASS.HNHKK.M..BM.NNA.N..589
QY      631 GAGAGTGAATCTCAATCAGTGCACCAAGCGGCGCAAGGCAAGCTGTCTGATTAATGTT 690
Db      588 KDA.C.S..RDSNS.H.B..MD...TASD..H.YNNS.H..RY..T.....SCN.A.S..529
QY      691 GCGCGTCCGCGCGCGCGCGCGCGCTTATTCGAGCGCTTGAACAAGTACGACTCGA 750
Db      528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CNRGS.NBSK..ST.NNM.YGSTRBH 469
QY      751 AGCGATGCAATACGAGATGCCAGCGGACGATCATGACGAGCGGACGAGTGAT 810
Db      468 RY.RD...B..RS.BSAYTNG.CB.SSHCS.S.MNBS.H.BM.YM..M.KS.NT.M..409
QY      811 TCTTTGATATCATCTCAAGGCACTTCTATGTTCAGTGTCTTCAAGCGCTTGCCTGAC 870
Db      408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTRB...N..349
QY      871 AATCAGAGCATACCAAGATGTTTGAAGCTCTCTTCAAGCGGCCAGAGAAAGCG 930
Db      348 S.H...S...D..MTHC..MT..N.S.H...MN.NM.WY..BD..SNSD.Y.BM..A..289
QY      931 CCTGTGATGCGCAGGCTTTTGAAGCTGACGCTGATGAGTCTCTAGCAAGGAGA 990
Db      288 TH.TNB...SNMG.TG...TNRGY.GNCS.H.....N.NN.HH...MT.KNNR.R..229
QY      991 ACAACCAAGTCCCATAGATAAC 1014
Db      228 A.AS..BA.BTANNEM.S.BM.M 205

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RESULT 11
US-10-137-871-358/c
Sequence 358, Application US/10137871
Publication No. US20030207350A1
GENERAL INFORMATION:

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APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria

```

```

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C15
CURRENT APPLICATION NUMBER: US/10/137,871
Pilot Application removed - 2002-05-03
Pilot Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 358
LENGTH: 1049
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-871-358

Query Match      1.1%, Score 44.8, DB 17, Length 1049,
Best Local Similarity 5.2%, Pred. No. 0.0049,
Matches 42, Conservative 229, Mismatches 531, Indels 2, Gaps 1;

QY      211 TCCGTAACGACGAGAGCCAACTTCTTCAATGAGGCGCAAGCTGCGCAACTG 270
Db      1006 YMY...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTRHAB.BAMMS...947
QY      271 GTGCCCAAGCCGACCGGACCTTGACAGCTTCGTGTCGACGAACTCCCGCGCC 330
Db      946 S.S.N..B..C..WHY...G.N.DM.Y.H..MTB..T.BW.ABT.HMAHAB..THRGH..887
QY      331 GCTACTGCGGCGCAACATGGGCACTTGCAAGCTGTGTGCTGAGGCTTAATAGTTT 390
Db      886 S..Y.RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S...NA.H..GAR.H.S 827
QY      391 ATGCCACTTCCCAATAACACACAGGACAGCTTTGGCAAGTCTTAAGCGGCCCAAGT 450
Db      826 .BS.CMDTC.CBGAHAT.R..AB.ADNBWB.WBTHAG..YND..KM.NN.BN...767
QY      451 GGCCTGAGCGGCGCAACCTTACCAACGCAAGGAGTAGAGCGGCCCAATGTCTACT 510
Db      766 SAM..K..MNS.H.RY...TH...RMA.SY..NNM...NM--..SYSGNS.Y..BAA..N 709
QY      511 TTGCGTATCGGCGCAAGCGCTGTGACTGCTGCTGCGCAAGTCTCTTATTCAGGC 570
Db      708 DS.H.A..NM.G..MMMS..SM.CNMT.S.NM.N..KCH.BCS...S.SNMS.H...M..649
QY      571 GCGGATGCAATACGAGATGCCAGCGGACGATCATGACGAGCGGACGAGTGAT 810
Db      468 RY.RD...B..RS.BSAYTNG.CB.SSHCS.S.MNBS.H.BM.YM..M.KS.NT.M..409
QY      811 TCTTTGATATCATCTCAAGGCACTTCTATGTTCAGTGTCTTCAAGCGCTTGCCTGAC 870
Db      408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTRB...N..349
QY      871 AATCAGAGCATACCAAGATGTTTGAAGCTCTCTTCAAGCGGCCAGAGAAAGCG 930
Db      348 S.H...S...D..MTHC..MT..N.S.H...MN.NM.WY..BD..SNSD.Y.BM..A..289
QY      931 CCTGTGATGCGCAGGCTTTTGAAGCTGACGCTGATGAGTCTCTAGCAAGGAGA 990
Db      288 TH.TNB...SNMG.TG...TNRGY.GNCS.H.....N.NN.HH...MT.KNNR.R..229

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QY 991 ACAACCAAGTCCCATAGATAC 1014
| : : : : :
Db 228 A.AS..BA.BTANNHM.S.BM.M 205

RESULT 12

US-10-140-923-358/c
; Sequence 358, Application US/10140923
; Publication No. US20030207355A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C18
CURRENT APPLICATION NUMBER: US/10/140,923
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 358
LENGTH: 1049
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-923-358

Query Match 1.1%; Score 44.8; DB 17; Length 1049;
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCTGAACGAGGCAAGCACTTCTCATGAGGCCAAGAGCTGCGAGCTGCACTGG 270
| : : : : :
Db 1006 YMT...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTYMAKB.BAMMS... 947
QY 271 GTGCCCAAGCCGCGCCGCTGACAGCTTCCGTGTCMAAGCACTCCCGCGCC 330
| : : : : :
Db 946 S.S.N..B..C..WHY...G.N.DM.Y.H..MTB..T.BW.ABT.HMAIRB..THRGH.. 887
QY 331 GCTACTGCGGCGCAACAATGGGATTGCAAGCTGTTGCTCGAGGTGCTTAATAGTTT 390
| : : : : :
Db 886 S..Y..RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S....NA.H..GAR.H.S. 827
QY 391 ATGCCACCTCCCAATAACACACAGAGTTCGAGCTTGGCAGAAGCTTAAGCGGCCCAAGT 450
| : : : : :
Db 826 .BS.CMDTC.CBGBAHT.R..AB.ADNBWB.WBTHGAG..YND...KM.NN..BN... 767
QY 451 GGCCTGAGCGCCCACTTACCAACACCAAGAGAGCGCCCAATGTCAC 510
| : : : : :
Db 766 SAM..K..MNS.H.RY..TH...RMA.SY..NNM...NM--SYSGNS.Y..BAA..N. 709
QY 511 TTGCTGATCCGCGCAAGCGCTGTTGACTGCTGCGCAAGGCTCTCTTATTCAGCGC 570
| : : : : :
Db 708 DS.H.A..NM.G..MMMS..SM..CMWT.S.NM..N..KCH..BCS...S.SNMS.H...M.. 649
QY 571 GCGGAGTACCCCTAAGTTCCCGGATCCAGTGAATACGGGTCCAAAGACATCTCTC 630
| : : : : :
Db 648 NM...RYNHC.YW.BH.DNCY...AY.S.S.KAYSASS.HMHKK..M..BM.NMA.N.. 589

QY 631 GAGAGTGAATCTCATGATGACCAAGCGGCCAAGGCAAGCTGTCTGATATGTT 690
| : : : : :
Db 588 KDA.C.S..RDNSS.H.B..MD...TASD..H.YNNS.H.RY..T.....SCN.A.S. 529
QY 691 GCGGCTGCGCGCGCGCGCGCGCTTATTTGCGAGCGCTTTGACAAAGTACCGACTGA 750
| : : : : :
Db 528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRRS.NBSK..ST..MM.YGSYTBW 469
QY 751 AGCGATGCCAATAGAGAGATCCACGGCGACAGATCATAGACGAGGACCAAGTGGAT 810
| : : : : :
Db 468 RY.RD...B...RS.BSAVTNSG..CB..SSHCS.S.MBS.H.BM.YM..M.KS..NT..M. 409
QY 811 TCCTTGATATCATCTCAAGGCACTTCTCATGATGTCGATGTCGAGCGCTTCCGCTGAC 870
| : : : : :
Db 408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SG.T.S.NKSTYRB...N. 349
QY 871 AATCAGAGCATCAACCAAGTATGTTTGAAGCTCTCTTCAAGCCCAAGAGAGCGG 930
| : : : : :
Db 348 S.H...S...D..MTHC..MT..N.S.H...NM.NM.WY..BD..SNSD.Y..BM..A. 289
QY 931 CCGTGATGCGACGCTTGTGAGGCTGACACTTGATTTGATGCTCTTACGAAGAAGA 990
| : : : : :
Db 288 TH.TNB...SNMG.TG...TNRGY.GNCS.H.....N..NN..HH...MT.KNNR.R... 229
QY 991 ACAACCAAGTCCCATAGATAC 1014
| : : : : :
Db 228 A.AS..BA.BTANNHM.S.BM.M 205

RESULT 13

US-10-141-756-358/c
; Sequence 358, Application US/10141756
; Publication No. US20030207359A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C200
CURRENT APPLICATION NUMBER: US/10/141,756
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 358
LENGTH: 1049
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-756-358

Query Match 1.1%; Score 44.8; DB 17; Length 1049;
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCTGAACGAGGCAAGCACTTCTCATGAGGCCAAGAGCTGCGAGCTGCACTGG 270
| : : : : :
Db 1006 YMT...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTYMAKB.BAMMS... 947
QY 271 GTGCCCAAGCCGCGCGCTTACCAACACCAAGAGAGCGCCCAATGTCAC 510
| : : : : :
Db 766 SAM..K..MNS.H.RY..TH...RMA.SY..NNM...NM--SYSGNS.Y..BAA..N. 709
QY 511 TTGCTGATCCGCGCAAGCGCTGTTGACTGCTGCGCAAGGCTCTCTTATTCAGCGC 570
| : : : : :
Db 708 DS.H.A..NM.G..MMMS..SM..CMWT.S.NM..N..KCH..BCS...S.SNMS.H...M.. 649
QY 571 GCGGAGTACCCCTAAGTTCCCGGATCCAGTGAATACGGGTCCAAAGACATCTCTC 630
| : : : : :
Db 648 NM...RYNHC.YW.BH.DNCY...AY.S.S.KAYSASS.HMHKK..M..BM.NMA.N.. 589

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Db      946 S.S.N..B..C..MHY...G.N.DM.Y.H..MTB..T.BW.ABT.HMAHRB..THRGH..887
QY      331 GCTACTGCGCGCAACATGGGCAATTCAGACTGTGTTGTCAGAGTCTTAATAGTTT 390
Db      886 S..Y..RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S....NA.H..GAR.H.S.827
QY      391 ATGCCACCTCCCAATAACACACAGGTCGAACTTTGGCAAGAACTCTAAGCGGCCAAGT 450
Db      826 .BS.CMDTC.CBGAHAT..R..AB..ADNBWB..WBTHGAG..YND..KM.NN..BN...767
QY      451 GGCCTGAGCGCCCAACCTTACCAACCAACCAAGAGTAGCGCCGCAATGCTACT 510
Db      766 SAM..K..MNSS.H.RY..TH...RMA.SY..NNM...NM--SYSGNS.Y..BAA..N.709
QY      511 TTGCTGATCCGCCCAAGCGTGTGACTGCTGTGCGCAGAGTCTCTTATTCACGCG 570
Db      708 DS.H.A..NM.G..MMWS..SM..CNMT.S..NM.N..KCH.BCS...S.SNWS.H....M..649
QY      571 GCGGCAATACCCCTTAAGTTCCCGATCCGATGCAATACCGGTTCCAAAGCATCTCTC 630
Db      648 NM...RYNHC.YW.BH.DNCY...AY.S.S..KAYSASS.HNHNK.M..BM.NMA.N.589
QY      631 GAGAGTGAATCTCATATGTCAGACCAAGCGGCCAAGGCAAGCTGTCTGATATGTT 690
Db      588 KDA.C.S..RDSNS.H.B..MD...TASD..H.YNNS.H.RY..T....SCN.A.S.529
QY      691 GCGGCTCGCGCGCGCGCGCGCGCTGCTATGTCAGCGCTTTGACAAGTACCGACTGA 750
Db      528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRGS.NBSK..ST..MM.YGSYTRMH 469
QY      751 AGGCAATGCCAATGAGAGATCCCAAGCGGACAGTCTATAGAGCGGACCGAGTGGAT 810
Db      468 RY.RD...B..RS.BSAYTNSG..CB.SSHCS.S..MNBS.H.BM.YM..M.KS..NT..M.409
QY      811 TCCTTGATATCATCTCAAGGCACTTCTATGCTTTCAGTGTCTTCAGCGCTCCGCTAC 870
Db      408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTYRB...N.349
QY      871 AATCAGAGCACTAACCAAGTAGTTTGAAGCTCTCTTACAGCCGACAGAGAAGCGG 930
Db      348 S.H....S...D..MTHC..MT..N.S.H....MN.NM.WY..BD..SNSD.Y.BM..A.289
QY      931 CCTGTGATGCGCAGCGTCTTTGAGGCTGACACTTATGAGTCTCTTACGAAGAAGA 990
Db      288 TH.TNB....SNMNG..TG...TNRGY.GNCS.H....N.NN.HH...MT.KNNR.R...229
QY      991 ACAACCAAGTCCCATAGATAAC 1014
Db      228 A.AS..BA..BTABNNHM.S.BM.M.205

RESULT 14
US-10-141-759-358/c
; Sequence 358, Application US/10141759
; Publication No. US20030207361A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltzen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Guiney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C197
; CURRENT APPLICATION NUMBER: US/10/141,759
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PR1
; ORGANISM: Homo Sapien
US-10-141-759-358

Query Match      1.1%, Score 44.8; DB 17; Length 1049;
Best Local Similarity 5.2%; Pred. No. 0.0049;
Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY      211 TCCTGTAACGAGGCAAGCCCACTTCTTCATCGAGGCGCAAGTCCGAGTCTGAACTGG 270
Db      1006 YMY...MSM..M.....BHM.HK.Y.DS.R.T.M.N.AMTRHAKB.BAMWS...947
QY      271 GTGCCCAAGCCCAAGCCGACCTTGACAGCGTTCGCTGTCGAAGAACTCCCGCGCC 330
Db      946 S.S.N..B..C..WHY...G.N.DM.Y.H..MTB..T.BW.ABT.HMAHRB..THRGH..887
QY      331 GCTACTGCGCGCAACATGGGCAATTCAGACTGTGTTGTCAGAGTCTTAATAGTTT 390
Db      886 S..Y..RCM.MTWG.DR.RWBHW.R.DSTAKBK...SBS.S.S....NA.H..GAR.H.S.827
QY      391 ATGCCACCTCCCAATAACACACAGGTCGAACTTTGGCAAGAACTCTAAGCGGCCAAGT 450
Db      826 .BS.CMDTC.CBGAHAT..R..AB..ADNBWB..WBTHGAG..YND..KM.NN..BN...767
QY      451 GGCCTGAGCGCCCAACCTTACCAACCAACCAAGAGTAGCGCCGCAATGCTACT 510
Db      766 SAM..K..MNSS.H.RY..TH...RMA.SY..NNM...NM--SYSGNS.Y..BAA..N.709
QY      511 TTGCTGATCCGCCCAAGCGTGTGACTGCTGTGCGCAGAGTCTCTTATTCACGCG 570
Db      708 DS.H.A..NM.G..MMWS..SM..CNMT.S..NM.N..KCH.BCS...S.SNWS.H....M..649
QY      571 GCGGCAATACCCCTTAAGTTCCCGATCCGATGCAATACCGGTTCCAAAGCATCTCTC 630
Db      648 NM...RYNHC.YW.BH.DNCY...AY.S.S..KAYSASS.HNHNK.M..BM.NMA.N.589
QY      631 GAGAGTGAATCTCATATGTCAGACCAAGCGGCCAAGGCAAGCTGTCTGATATGTT 690
Db      588 KDA.C.S..RDSNS.H.B..MD...TASD..H.YNNS.H.RY..T....SCN.A.S.529
QY      691 GCGGCTCGCGCGCGCGCGCGCTGCTATGTCAGCGCTTTGACAAGTACCGACTGA 750
Db      528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRGS.NBSK..ST..MM.YGSYTRMH 469
QY      751 AGGCAATGCCAATGAGAGATCCCAAGCGGACAGTCTATAGAGCGGACCGAGTGGAT 810
Db      468 RY.RD...B..RS.BSAYTNSG..CB.SSHCS.S..MNBS.H.BM.YM..M.KS..NT..M.409
QY      811 TCCTTGATATCATCTCAAGGCACTTCTATGCTTTCAGTGTCTTCAGCGCTCCGCTAC 870
Db      408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M.SM.SS.T.S.NKSTYRB...N.349
QY      871 AATCAGAGCACTAACCAAGTAGTTTGAAGCTCTCTTACAGCCGACAGAGAAGCGG 930
Db      348 S.H....S...D..MTHC..MT..N.S.H....MN.NM.WY..BD..SNSD.Y.BM..A.289
QY      931 CCTGTGATGCGCAGCGTCTTTGAGGCTGACACTTATGAGTCTCTTACGAAGAAGA 990
Db      288 TH.TNB....SNMNG..TG...TNRGY.GNCS.H....N.NN.HH...MT.KNNR.R...229
QY      991 ACAACCAAGTCCCATAGATAAC 1014
Db      228 A.AS..BA..BTABNNHM.S.BM.M.205
```

RESULT 15

US-10-140-805-358/c
; Sequence 358, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C176
; CURRENT APPLICATION NUMBER: US/10/140,805
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-805-358

Query Match 1.1%; Score 44.8; DB 17; Length 1049;
Best local Similarity 5.2%; Pred. No. 0.0049;

Matches 42; Conservative 229; Mismatches 531; Indels 2; Gaps 1;

QY 211 TCCTGACCGAGAGAGCACTTCTTCATGAGGCCAAGCTGCGAGCTCGAAGCTG 270
DB 1006 YMY...MSM...M.....BHM.HK.Y.DS.R.T.M.N.AMTMHAJB.BAMMS... 947
QY 271 GTGCCCAAGCCCGGAGCCGAGCTTCCGTGCTGCAAGAGCTCCCGCGCC 330
DB 946 S.S.N..B..C..WHY..G.N.DM.Y.H..MTB..T.BM.ABT.HMAHRB..THRGH. 887
QY 331 GCTACTGCGGCGCAACATGGGATGACAGCTGTGCTCGAGGTGCTTAATAGTT 390
DB 886 S..Y.RCM.MTWG.DR.RWBHW.R.DSTAKBK..SBS.S.S...NA.H.GAR.H.S. 827
QY 391 ATGCCACCTCCCAATACACACAGGTGCAAGCTTGGCAAGACTTAAGCGGCCAAGT 450
DB 826 .BS.CMDTC.CBGAHBAT.R..AB.ADNBMBW.BPTHGAG..YND..KM.NN..BN... 767
QY 451 GGCCTGAGCGCGGCACTTACCAACCAAGCAAGATGAGCGCCCGCAATGTCACT 510
DB 766 SAM..K..MNSS..H..RY...TH...RMA..SY..NNM...NM--SYGNS.Y..BAA..N 709
QY 511 TTGCGTGAATCGCGCAAGCTGTGACTGCTGCGCAAGGTCTCTTAATTCACGCG 570
DB 708 DS.H.A..NM.G..MMMS..SM.CNMT.S.NM.N..KCH.BCS...S.SNMS.H...M.. 649
QY 571 GCGGCGATACCCCTAAAGTTCCCGATCGAGTGAATACCGGTTCCAAAGACCATCTTC 630
DB 648 NM...RYNHC.YM..BH.DNCY...AY.S.S.KAYSASS.HNHKK.M..BM.NMA..N. 589
QY 631 GAGAGTGAATCTCAATGACACCAAGCGCGGCAAGGCAAGTGTCTGATATGTT 690
DB 588 KDA.C.S..RDSNS.H..B..MD...TASD..H.YNNS.H..RY..T.....SCN.A.S. 529

QY 691 GCGGTGCGCGCGCGCGCGCGCGCTTATTTGAGAGCGCTTGGACAGATACCACTGCA 750
DB 528 .NCS.N.GM..S.D..HSSMB...SNMS.H.A.CMRGS.NBSK.ST.MNM.YGTYTMH 469
QY 751 AGCATGCCAATACGAGAGATCCACGCGGACGAGTCAATAGACGAGCGAGCGGTGAT 810
DB 468 RX.RD....B...RS.BSAYTNSG.CB.SSHCS.S.MNBS.H.BM.YM..M.KS.NT.M. 409
QY 811 TCCTTGATACATCTCAAGGACCTTCATAGTGTGAGAGTGTCTTACGCGCTTCCGCTAC 870
DB 408 .NAC.H.B..N..ND..S.N.SM..M.BRCY.Y..M..SM..SS.T.S.NKSTYRB...N. 349
QY 871 AATCAGACACTACCCAGAGTAGTATTTGAGGCTCTCTTCACAGCCGAGAGAGCGG 930
DB 348 S.H...S...D..MTHC.MT..N.S.H...NM.NM.WY..BD..SNSD.Y.BM..A. 289
QY 931 CCTGTGATGCGACAGTCTTTGAGGCTGAGACCTGATTAAGTCTCTTACGAAAGAGA 990
DB 288 TH.TNB....SNMNG.TG...TNRGY.GNCS.H.....N.NN..HH...MT.KNNR.R.. 229
QY 991 ACAACCAAGTCCCATAGATTAAC 1014
DB 228 A.AS..BA.BTANBNHM.S.BM.M 205

Search completed: September 7, 2005, 10:28:01
Job time : 25393 secs